

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for quick joining golf club head members using infrared rays, comprising the steps of:

disposing a metallic filler between or on one of the golf club head members;

using a heating source of infrared rays to melt the metallic filler; and

solidifying ~~solidifying~~ the melted metallic filler disposed between golf club head members, |
thereby joining the golf club head members.

2. (Previously presented) The method as defined in claim 1, wherein at least one of the golf club head members is selected from a main head body, a striking plate and a weight member.

3. (Previously presented) The method as defined in claim 1, wherein the golf club head member is selected from the group consisting of titanium alloy, Fe-base alloy, magnesium alloy, aluminum alloy, Fe-Mn-Al alloy, shape memory steel, tungsten alloy, copper alloy, lead alloy, nickel alloy, bulk amorphous alloy, nano-alloy, composite material and ceramic material.

4. (Previously presented) The method as defined in claim 1, wherein the heating source has a heating rate not less than 1°C/sec.

5. (Previously presented) The method as defined in claim 1, wherein the heating source has a heating rate up to 50°C/sec.

6. (Previously presented) The method as defined in claim 1, wherein the wavelength of infrared rays is in the range between 0.76 and 1,000 mm.

7. (Previously presented) The method as defined in claim 1, wherein the golf club head members are made of dissimilar categories of alloys.

8. (Previously presented) The method as defined in claim 1, wherein the golf club head members are made of similar categories of alloy.

9. (Previously presented) The method as defined in claim 1, wherein the golf club head members are placed in a vacuum during the joining process.

10. (Previously presented) The method as defined in claim 1, wherein the golf club head members are placed in a protective gas during the joining process.

11. (Previously presented) The method as defined in claim 1, wherein the metallic filler is selected from the group consisting of Ag-base, Cu-base, Ni-base and Ti-base alloys.

12. (Previously presented) The method as defined in claim 1, wherein, prior to using the heating source, the heating source is prepared by focusing the infrared rays such that the focused infrared rays rapidly melt the metallic filler having a predetermined melting point.

13. (Previously presented) The method as defined in claim 12, wherein an optical device is employed to create the focused infrared rays.